

**1. Amendments to the Specification:**

Please replace paragraph [0099] of the application, as published in U.S. Patent Application Pub. No. 2006/0127710, with the following rewritten paragraph:

[0099] Most magnetic sensors are based on a Wheatstone bridge configuration 16, consisting of four resistors 12,13,14,15 made out of magnetic material and connected to each other by four terminals (see FIG. 44 12). The magnetic material normally consists of AMR, GMR or TMR material. The four terminals provide input and output to the bridge. Wheatstone bridges are normally used because of their temperature independent behavior, at least the temperature dependent characteristics of the sensor are greatly reduced by the use of such a configuration. The bridge is connected to a Voltage source or Current source by means of two terminals (e.g. terminals A and D in FIG. 44 12).